

**IN THE SPECIFICATION:**

Please replace numbered paragraph [0017] with the following paragraph:

AI

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FIG. 2 illustrates a computational technique that can be used to efficiently transfer the holographic interference pattern data from the computer 104 to the printer 108, and which can also increase the operational efficiency of the printer 108. In particular, the computed holographic interference pattern is partitioned into partitions or segments 218. The interference pattern for each pixel is then separately represented, for example as a weighted sum of basis interference ~~pattens~~ patterns. An example set 220 of basis interference patterns is shown in FIG. 2 to illustrate this concept. The theory and practice of representing an interference pattern using a set of basis interference patterns is known in the art, and thus sets of interference patterns and such are not discussed in greater detail here.

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